

States of Matter and the Kinetic Molecular Theory

Reading, Organizing, and Understanding Informational Text

Instructions: Use p. 416-420 to fill in the following table. If your group has trouble understanding the property you should call the teacher over. It is also a good idea to use diagrams to help explain the text.

| PROPERTY | SOLIDS | LIQUIDS | GASES |
|---|---------------|----------------|--------------|
| Shape | | | |
| Flow | | | |
| Volume | | | |
| Forces of attraction between particles | | | |

| PROPERTY | SOLIDS | LIQUIDS | GASES |
|---|---------------|----------------|--------------|
| Types of Motion | | | |
| Degree of Order | | | |
| Compressibility | | | |
| What do the particles of these states of matter look like at the molecular level? | | | |
| Examples | | | |

Questions:

1. Define temperature. How is this related to the different states of matter?
2. How do changes of state occur?